

10. A weight powered walking generator shown in figure 6 comprising:

- a. A pushdown piston engine system in claim 1
- b. A gear transmission assembly in claim 4
- c. An electricity generator

#### ABSTRACT OF THE INVENTION

This invention describes a compact weight powered engine and its use in building efficient walking devices. It is a pushdown piston-crankshaft engine that converts energy people spent walking to drive roller skates / roller blades. The device can be either directly coupled to a shoe as a single integral unit, or they may be made so as to be attachable to a shoe. The said engine can also be used as the power source to generate electricity while walking.